



Required Training for Laboratory Personnel

(Principal investigators, research assistants, postdocs, graduate and undergraduate students, etc.)

	Course Title	Training is Required if You:	Frequency	Training Format
Laboratory and Chemical Safety	Chemical Hygiene	Work in a research laboratory where chemicals are present	One time	Online
	New Laboratory Researcher	Work in a research laboratory	One time	Classroom
	Laboratory Exposure Controls	Work in a research laboratory	One time	Online
	Safety Orientation for Graduate and Teaching Assistants	Will be a teaching assistant in an undergraduate laboratory class	One time	Classroom
	Laboratory Specific Safety Orientation	Work in a research laboratory		Provided by PI or Designee in Lab
	Material, Process and Equipment Specific Training	Work with hazardous materials, processes or equipment		Provided by PI or Designee in Lab
Biological Safety	Animal Biosafety Level 2	Work with animals infected with Risk Group 2 agents	Every 3 years	Classroom & Online
	Biosafety Practices	Work with biological agents	One time	Online
	Bloodborne Pathogens	Work in a BSL-2 lab; work with blood, blood products, human and/or non-human primate cells (including tissue culture) or other potentially infectious materials	Annual	Online
	NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules	Work with recombinant or synthetic DNA or RNA	One time	Online
	Dual Use Research of Concern	Work with materials that have a potential to be misapplied to threaten public health or national security	One time	Online
	Shipping Infectious Substances and Dry Ice	Transport or ship infectious substances and other biological materials	One time	Classroom
Radiation Safety	Radioactive Materials Users Parts 1 and 2	Work with radioactive materials, or work in or frequent restricted areas where radioactive materials are used and stored	One time	Online & Classroom
	Radioactive Materials Refresher	Work with radioactive materials	Biennial	Online
	X-Ray Devices Parts 1 and 2	Work with equipment that produces x-rays	One time	Online & Classroom
	Particle Accelerators	Work with particle accelerators	One time	Classroom
	Laser Safety Parts 1 and 2	Work with Class 3B and Class 4 lasers	One time	Online & Classroom
Waste	Hazardous Waste Generator	Generate hazardous waste (chemical, biological and radioactive)	Annual	Online
	Biohazard Waste Disposal	Generate infectious waste	One time	Online
	Radioactive Waste Generator	Generate radioactive waste	Annual	Online
Miscellaneous Safety Topics	The following training programs are sometimes applicable to research labs. Contact DES for more information about these programs.			
	Crane and Hoist Safety	Use a crane or hoist	One time	Contact DES
	Electrical Safety (NFPA 70E)	Work with high voltage electrical systems	Every 3 years	Contact DES
	Hearing Conservation	Are exposed to noise levels > 85 dB averaged over 8 hours	Annual	Contact DES
	Lockout/Tagout	Perform maintenance or service on equipment	One time	Contact DES
	Respiratory Protection	Wear a respirator	Annual	Contact DES

All training is provided by the Department of Environmental Safety, Sustainability, and Risk (ESSR) unless noted otherwise. Additional training may be required based on the activities performed in your lab. Contact ESSR at 301-405-3960 or labsafety@umd.edu for additional information. Register for training at www.essr.umd.edu.

